



COMPENSATED DENSITY/NEUTRON LOG

Company	RL INVESTMENT, LLC.	Company	RL INVESTMENT, LLC.
Well	PRATT #3	Well	PRATT #3
Field	HOXIE WEST	Field	HOXIE WEST
County	SHERIDAN	County	SHERIDAN
State	KANSAS	State	KANSAS
Location:	API # : 15-179-20196-0001 2086' FSL & 554' FWL	Other Services DIL/MEL	
Permanent Datum	GROUND LEVEL	Elevation	2810
Log Measured From	KELLY BUSHING 7' A.G.L	K.B. 2817 D.F. 2815 G.L. 2810	
Drilling Measured From	KELLY BUSHING		
Date	8/24/18		
Run Number	ONE		
Depth Driller	4460		
Depth Logger	4460		
Bottom Logged Interval	4436		
Top Log Interval	3400		
Casing Driller	8 5/8" @ 224		
Casing Logger	224		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 900 PPM	
Density / Viscosity	8.6/57		
pH / Fluid Loss	11.5/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.2 @ 95F		
Rmf @ Meas. Temp	.90 @ 95F		
Rmc @ Meas. Temp	1.4 @ 95F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.95 @ 120F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	120F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	RICHARD BELL		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

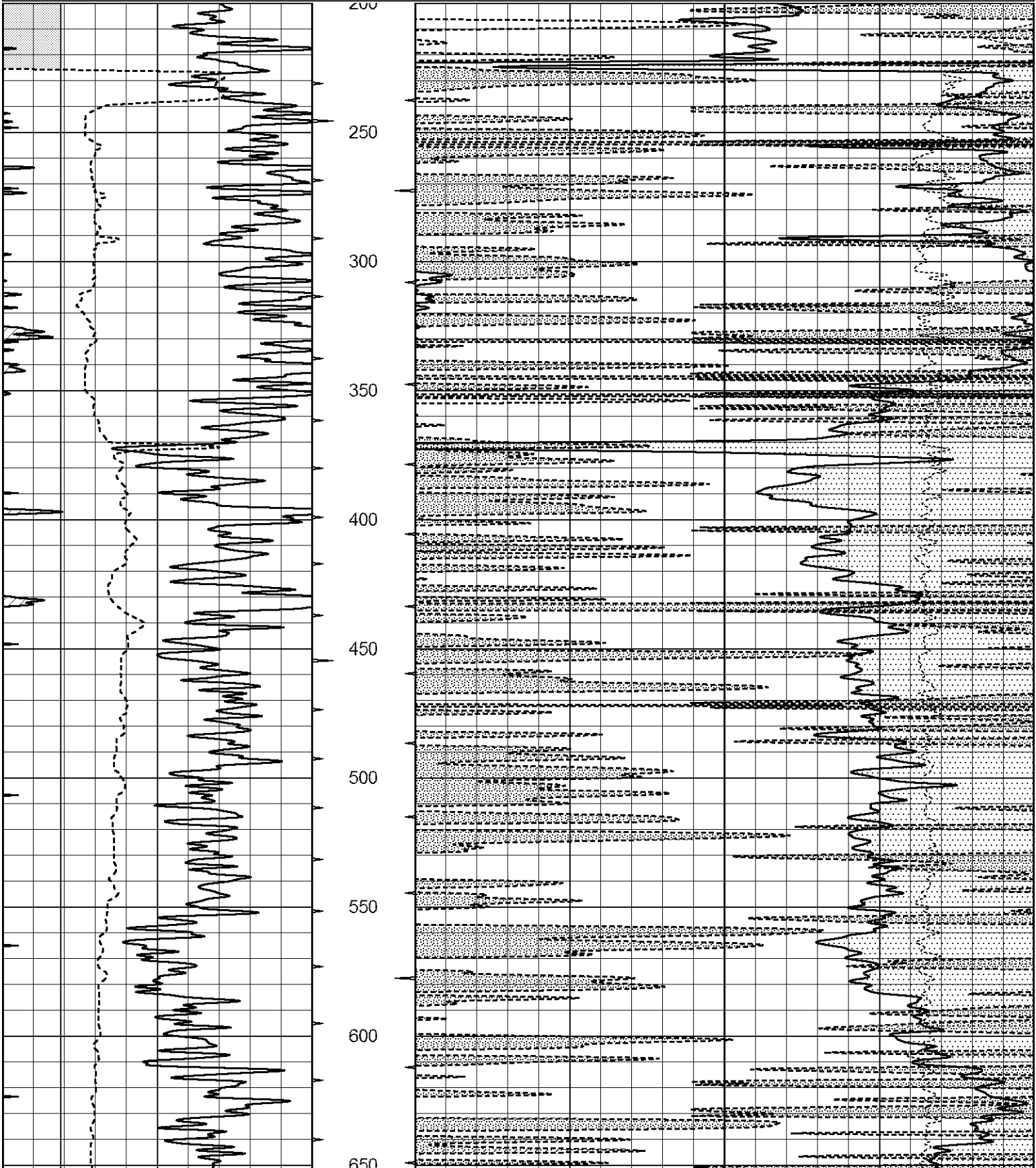
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
HOXIE, KS. - 2 SOUTH TO RD. 30 - 5 WEST TO RD. 50 - 1/2 SOUTH - EAST INTO

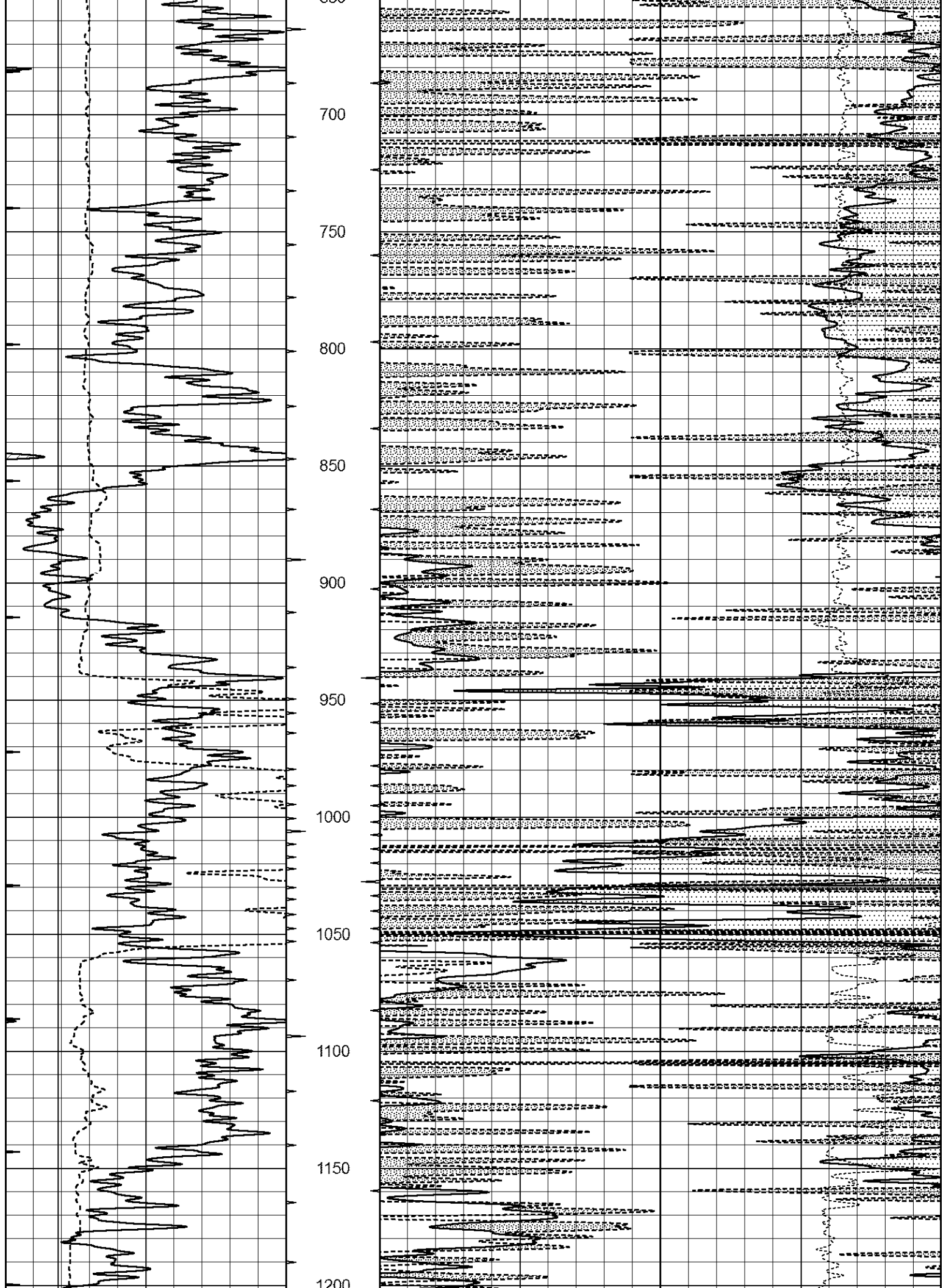


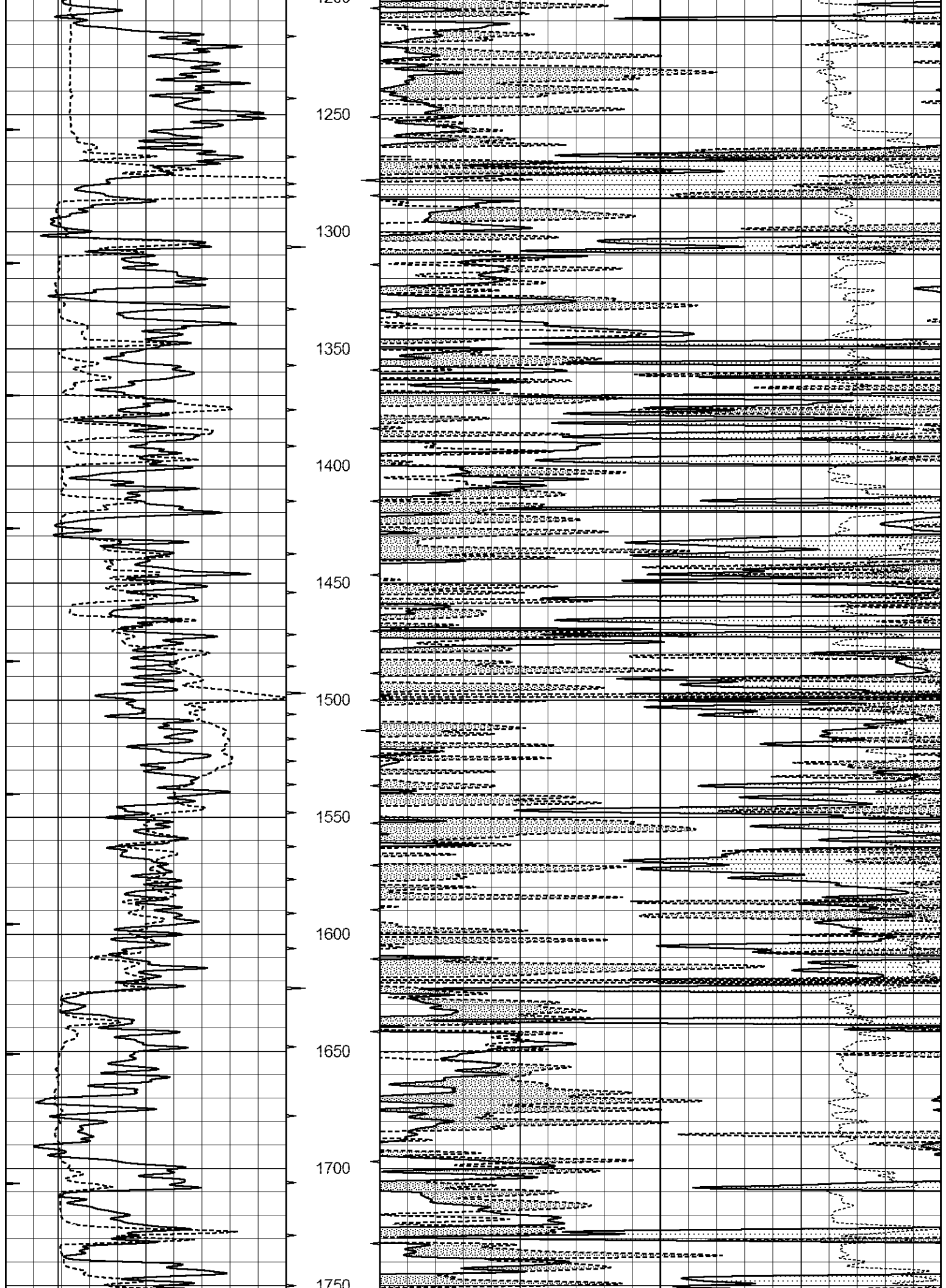
MAIN SECTION

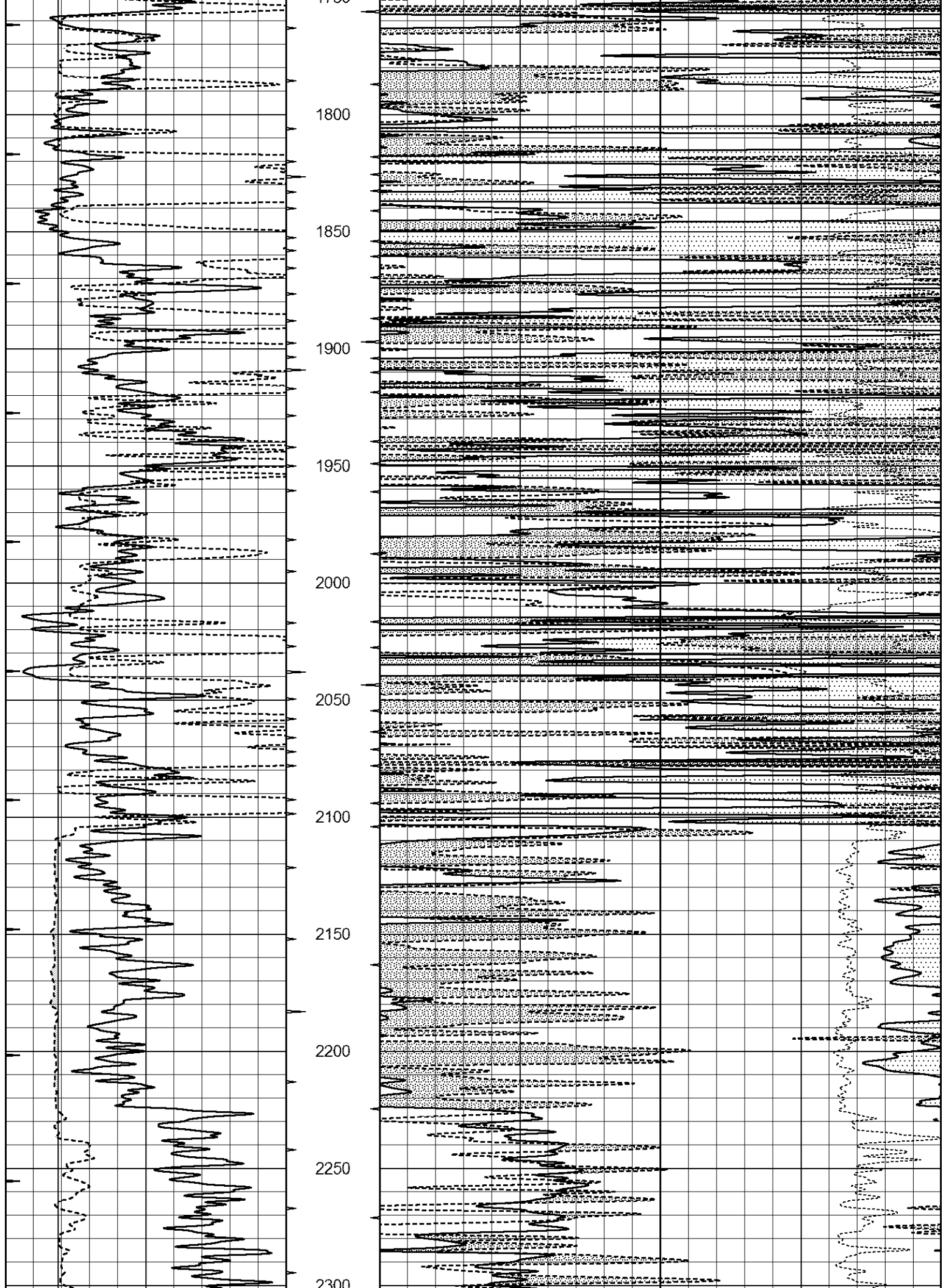
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Dataset Pathname	pass3.3
Presentation Format	_den_neu
Dataset Creation	Fri Aug 24 15:36:31 2018
Charted by	Depth in Feet scaled 1:600

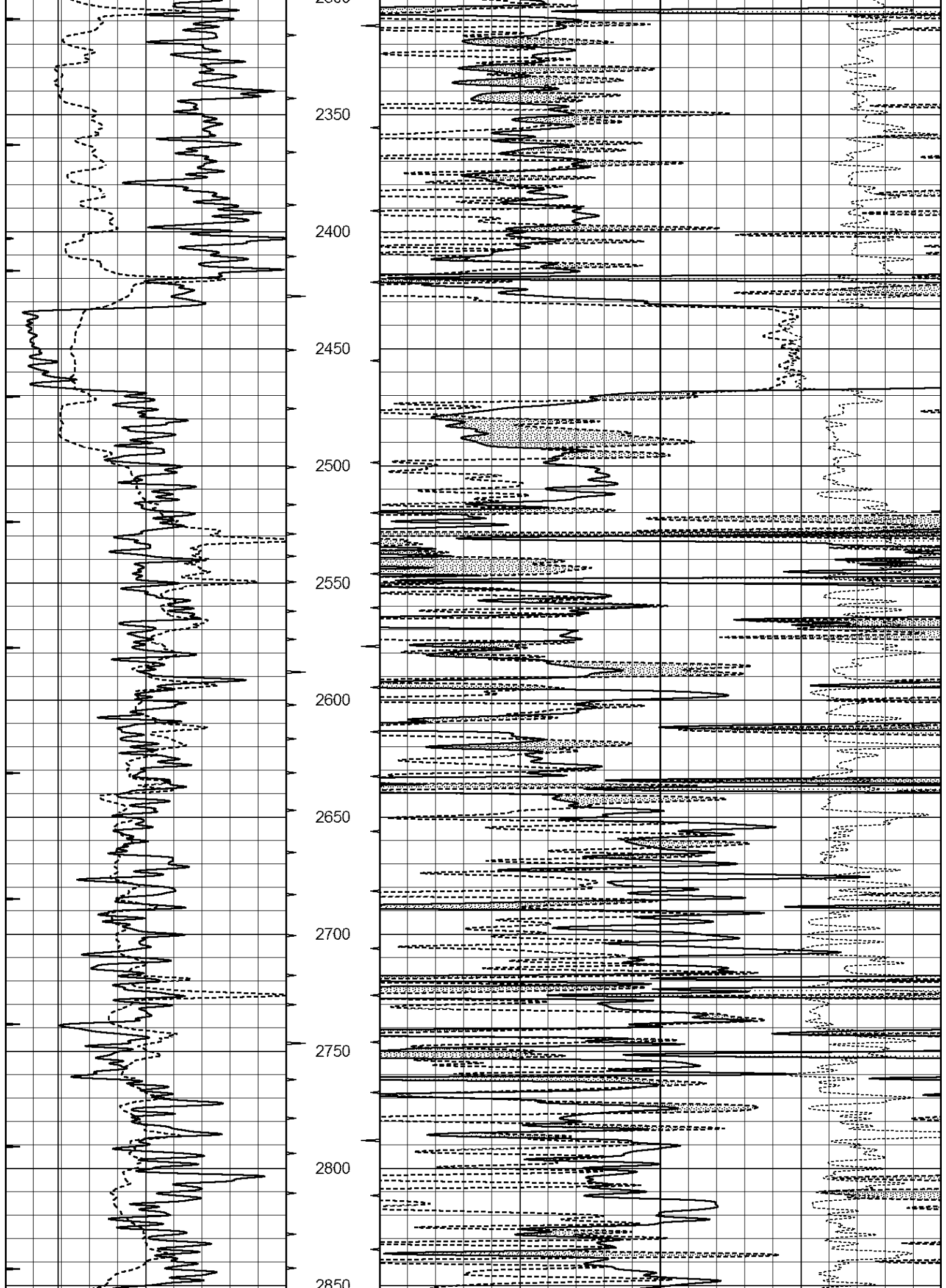
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			

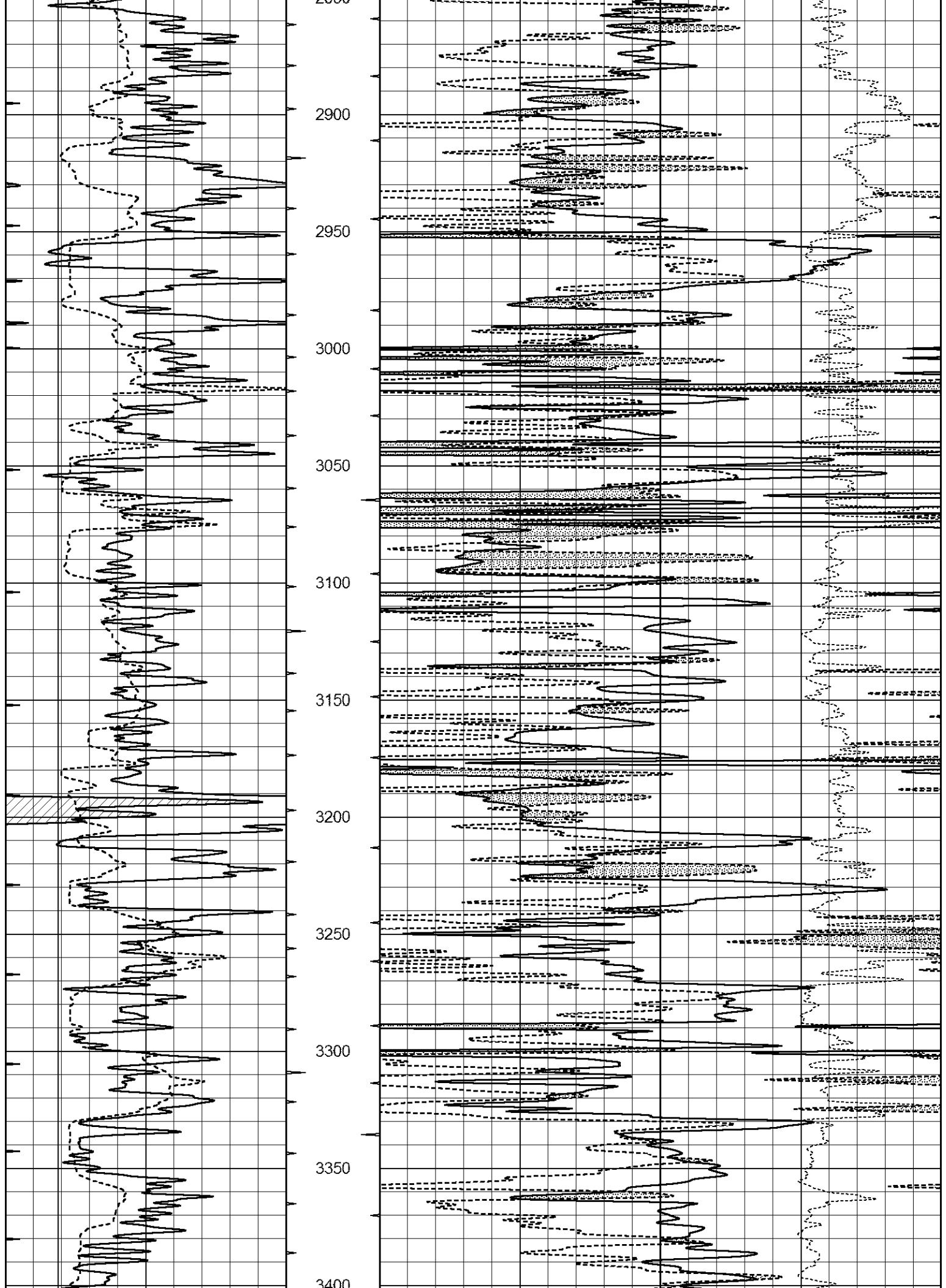


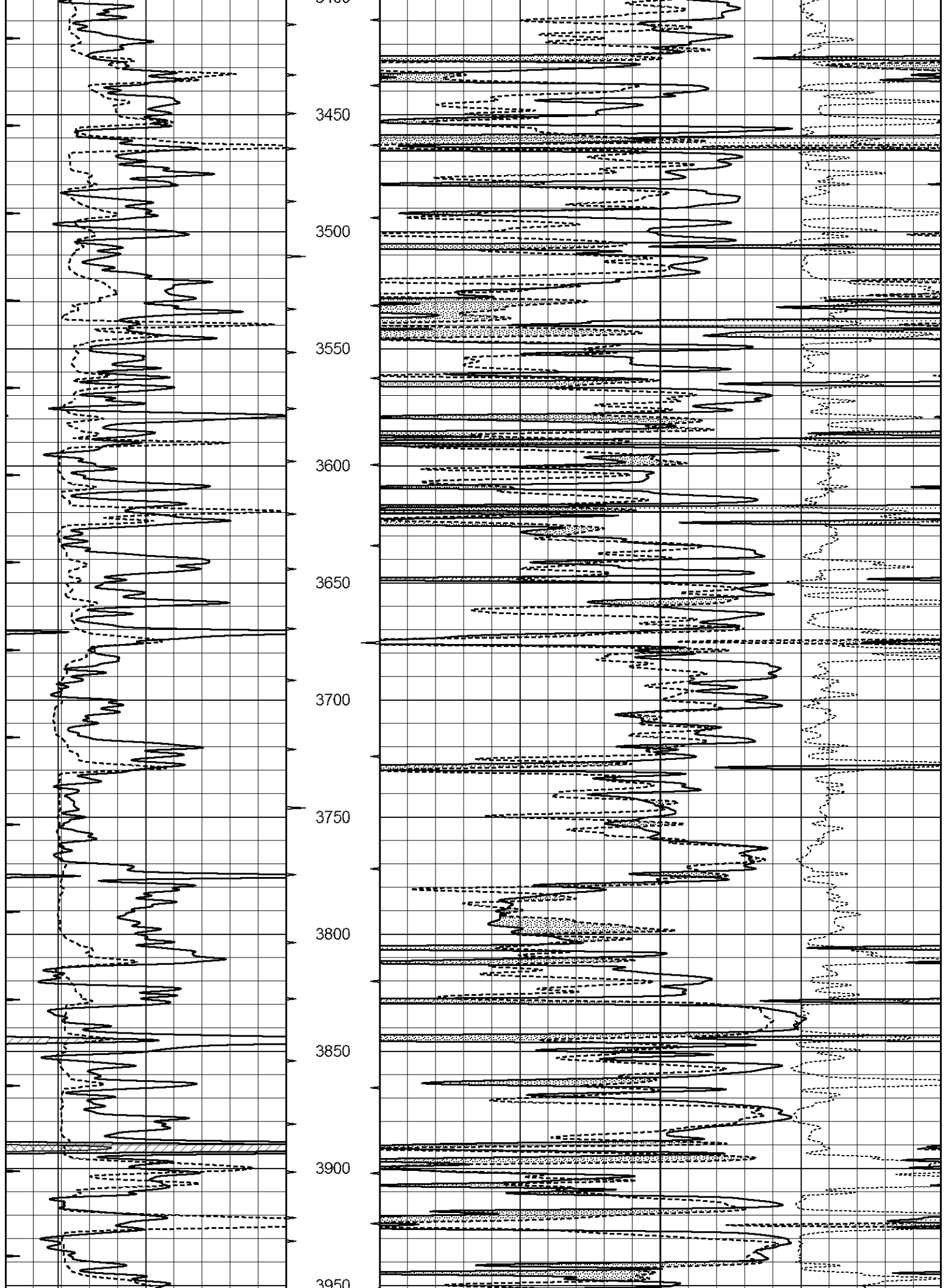


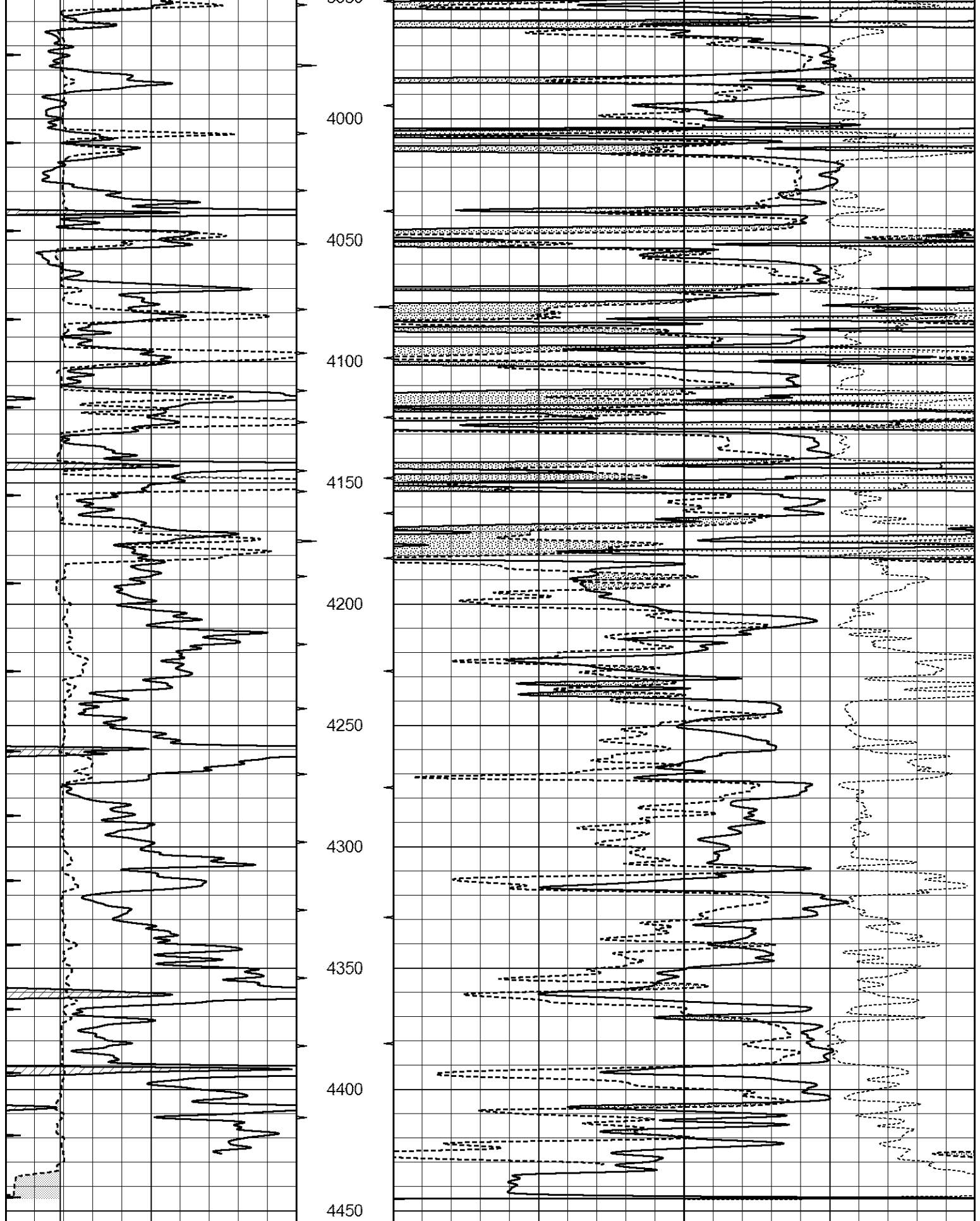




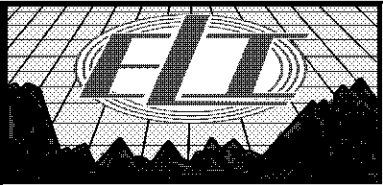








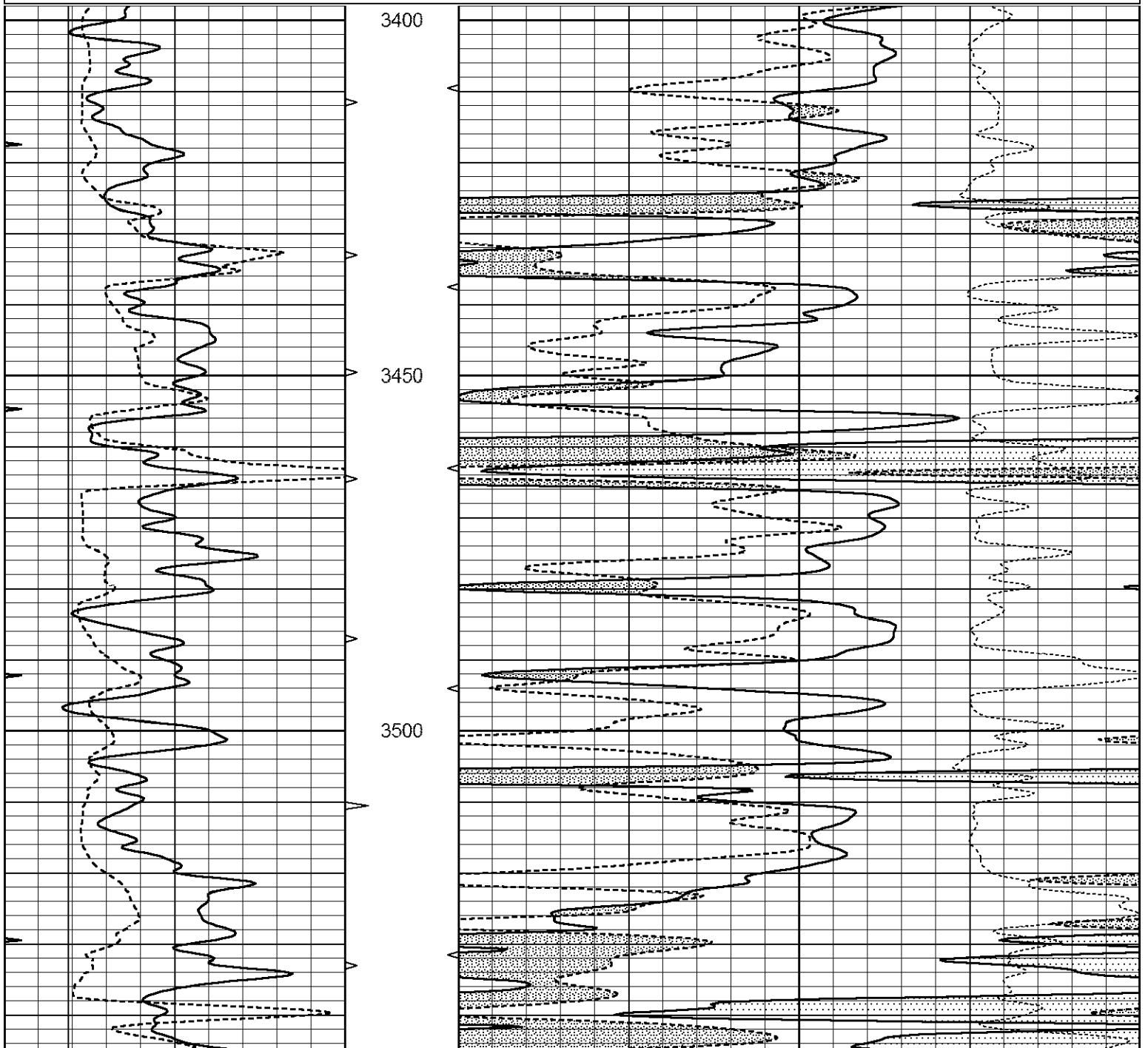
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0	MINMK	20	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25

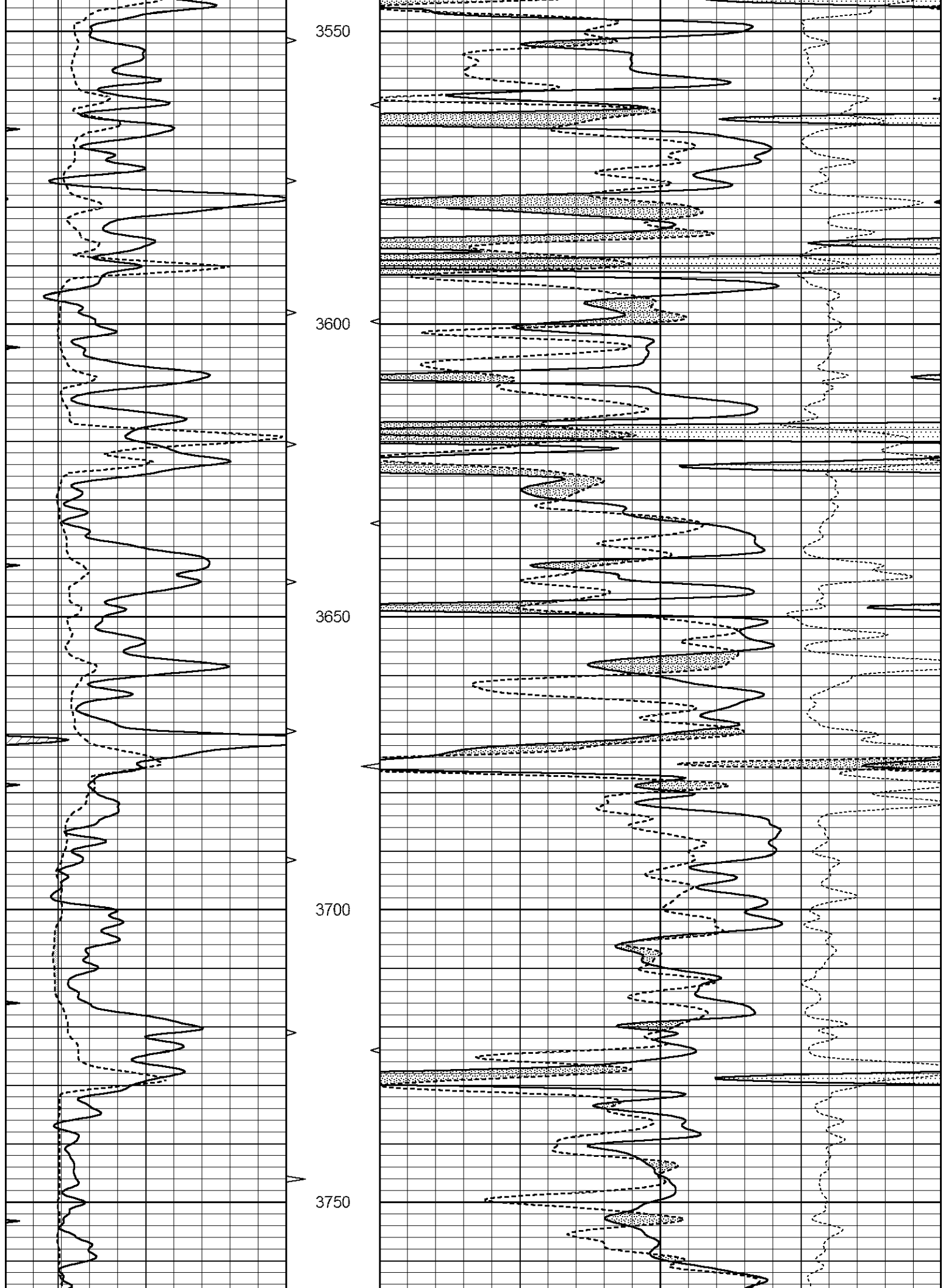


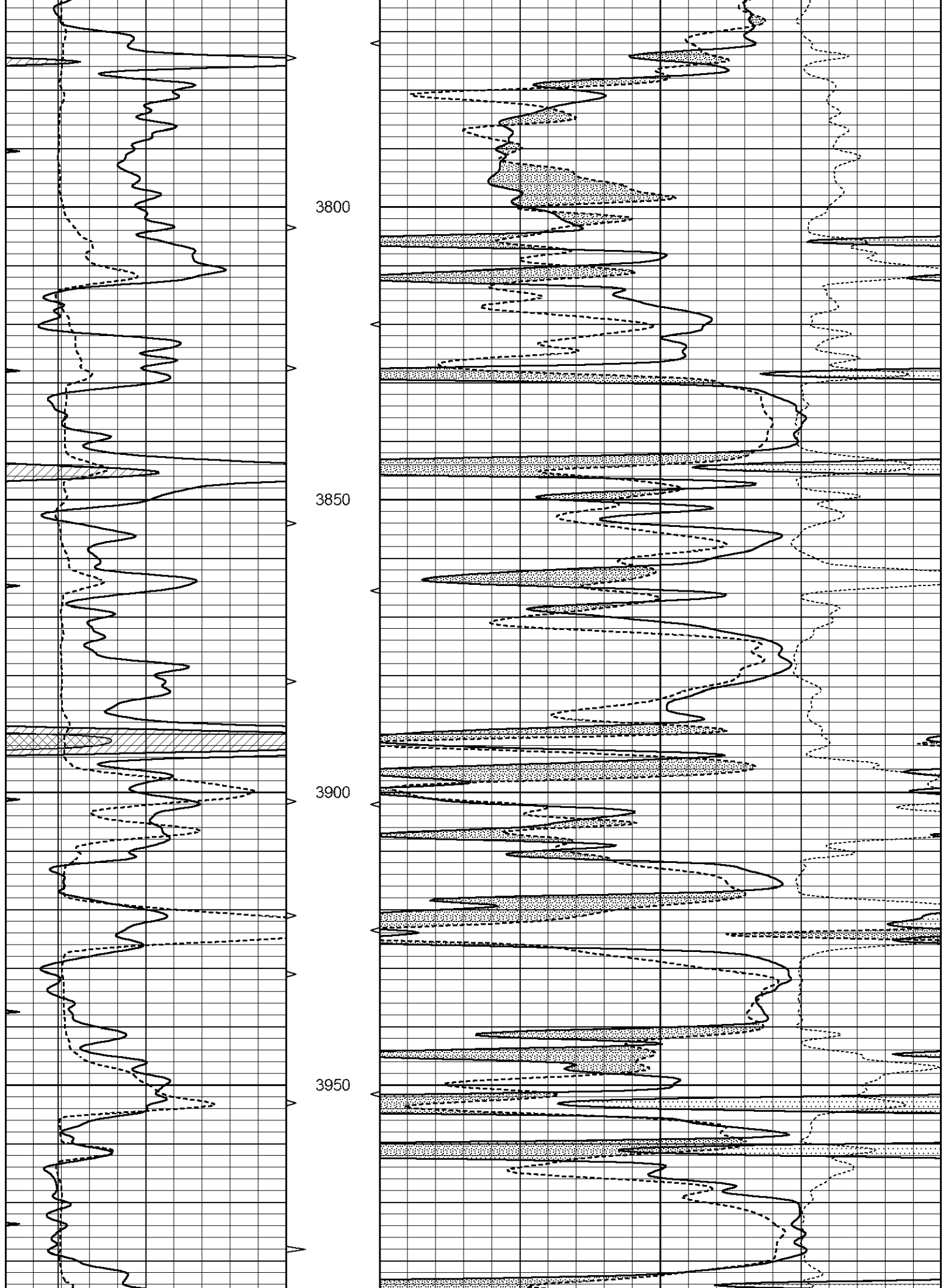
MAIN SECTION

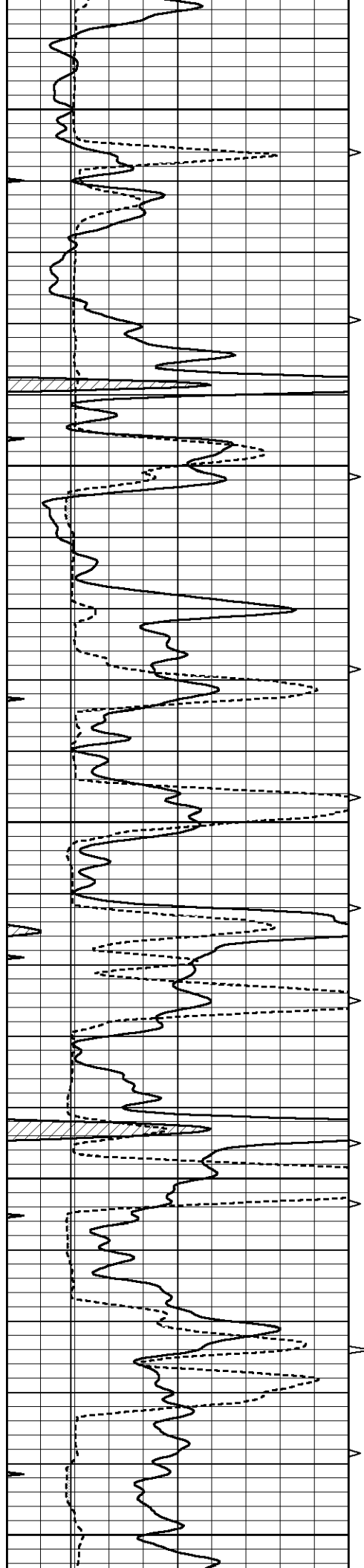
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Dataset Pathname pass3.1
Presentation Format _den_neu
Dataset Creation Fri Aug 24 14:35:14 2018
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			









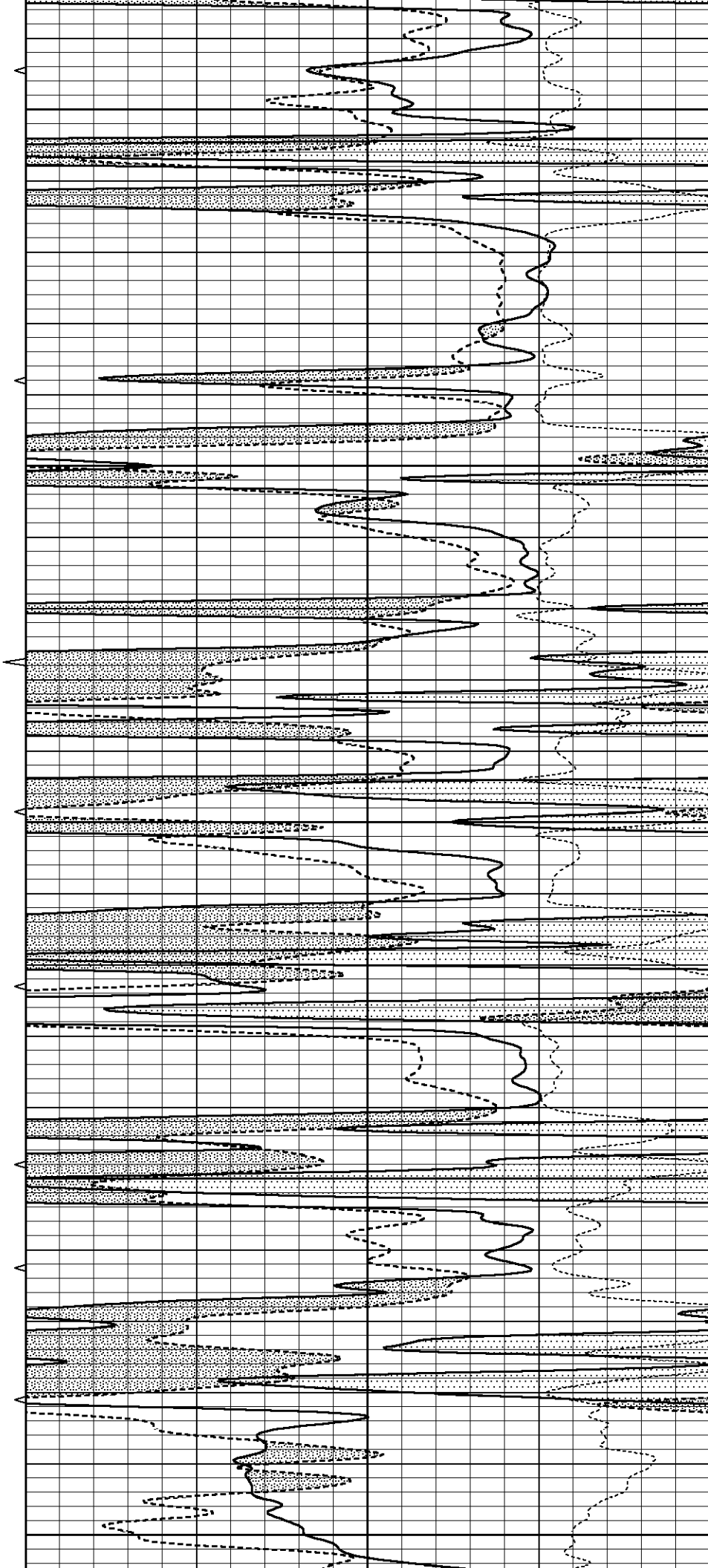
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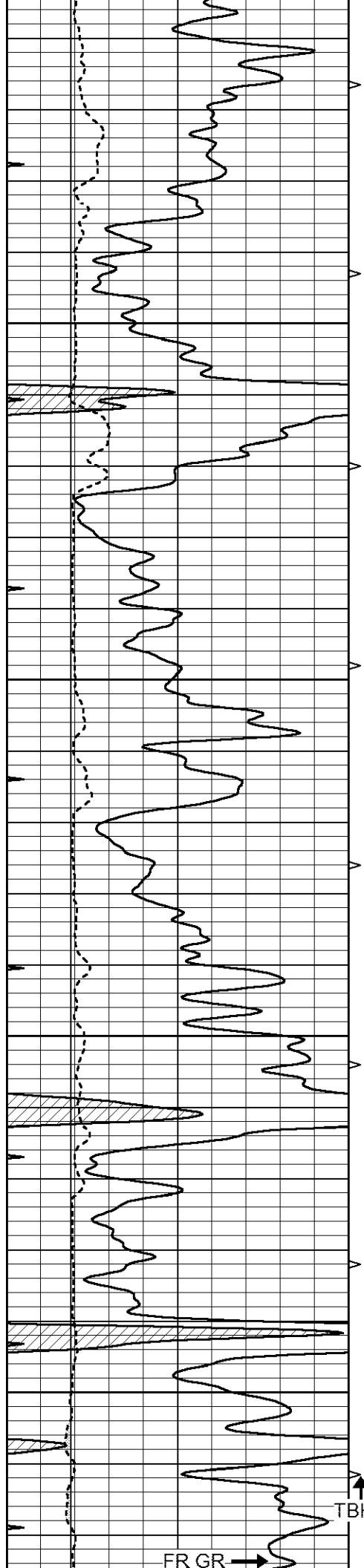
4050

4100

4150

4200





4250

4300

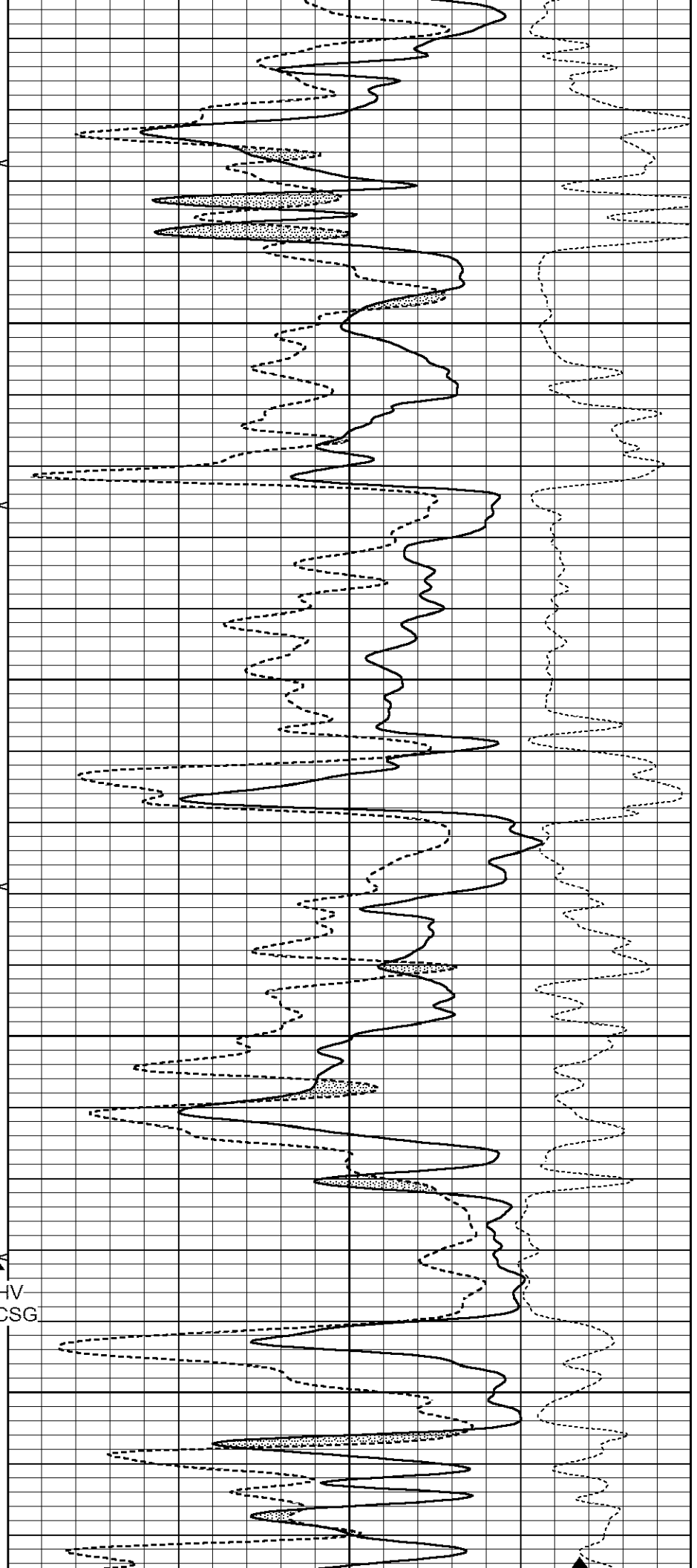
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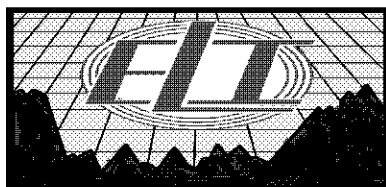
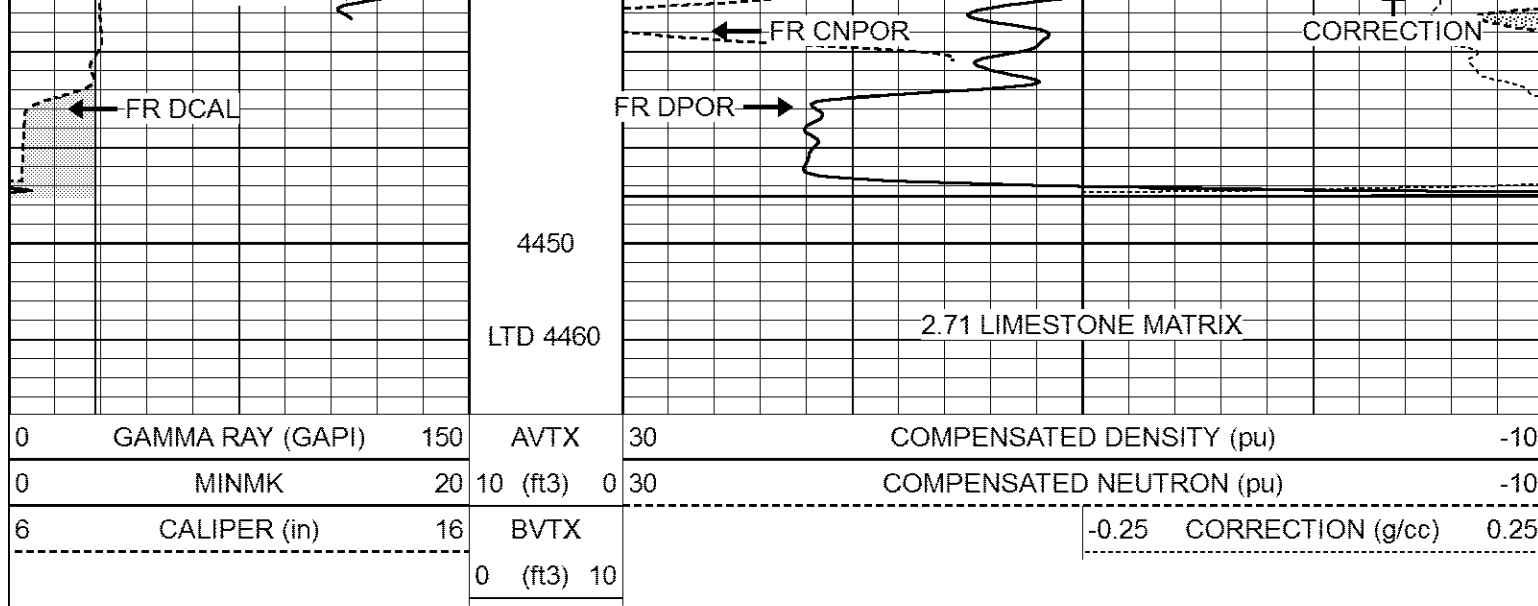
4400

ABHV
5.5" CSG

TBHV

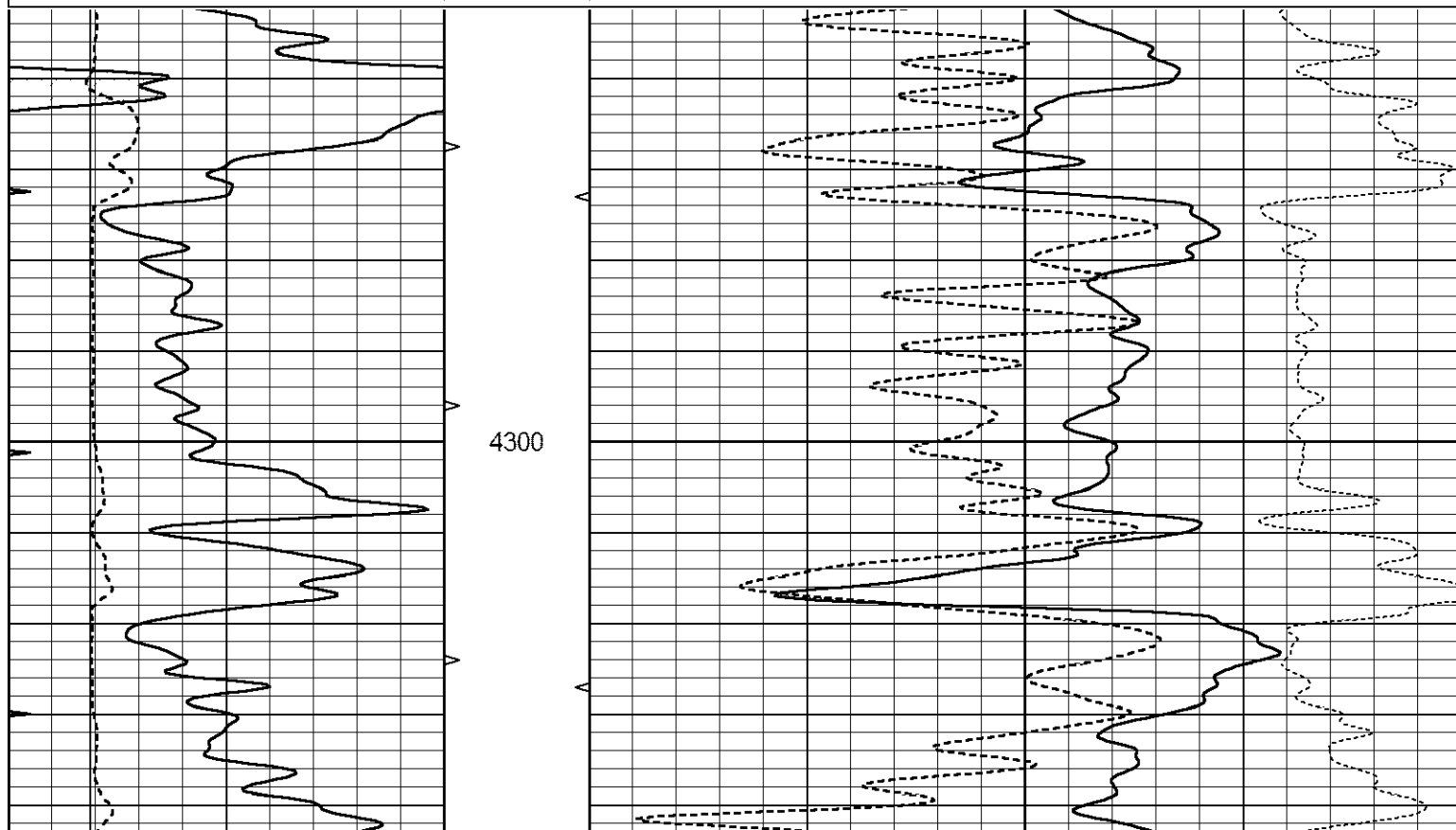
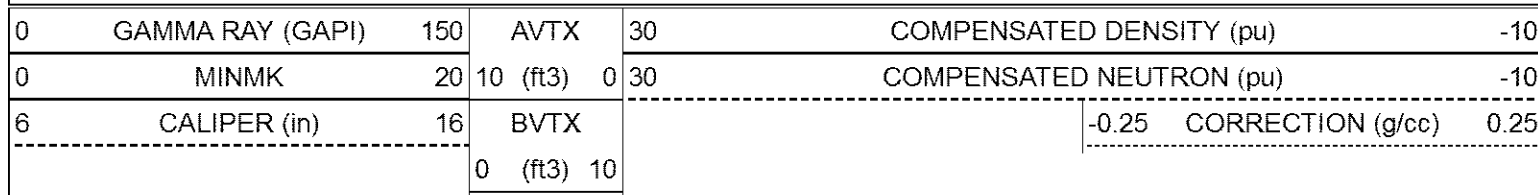
FR GR →

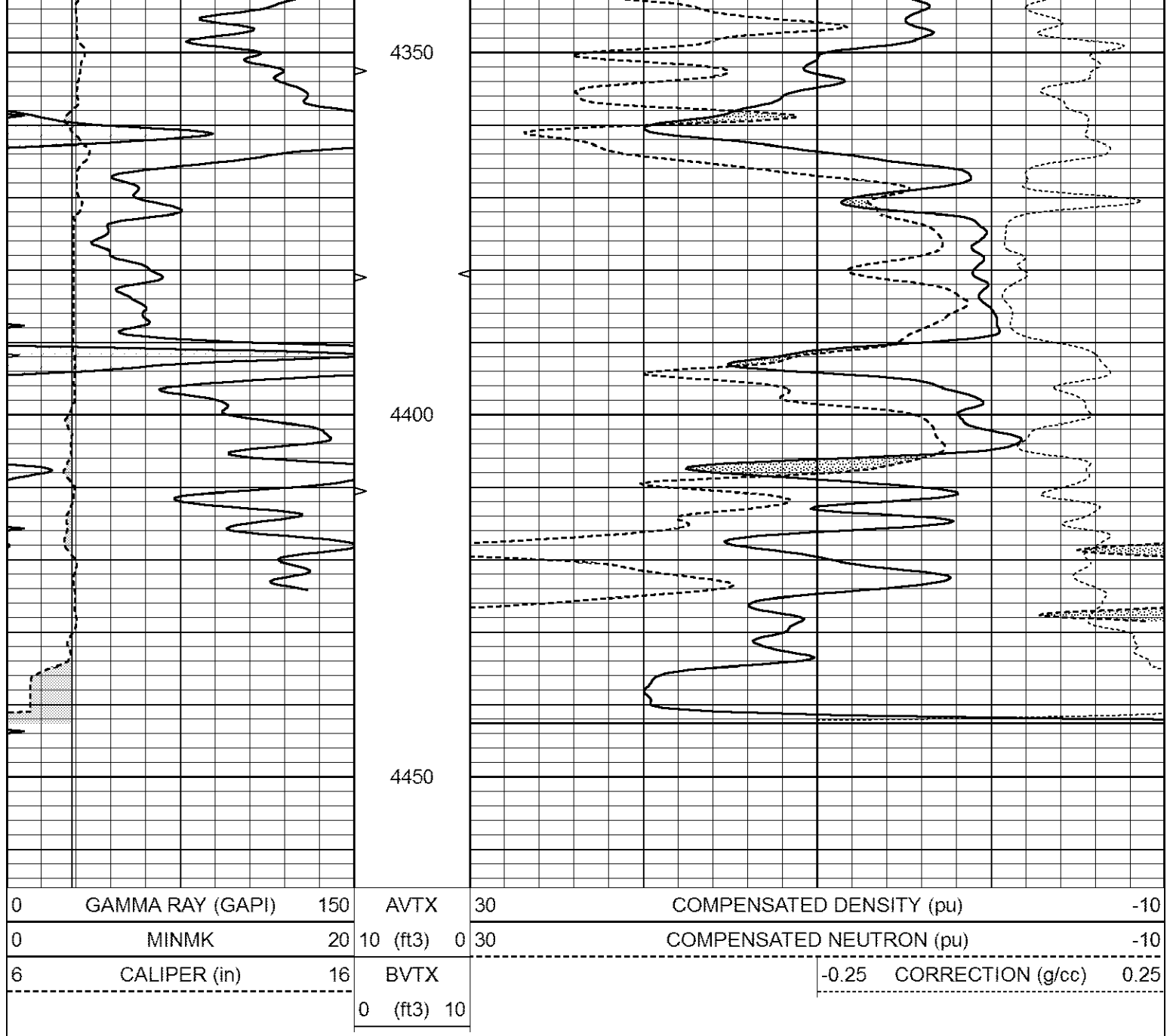




REPEAT SECTION

Database File 2523ddn8.db
 Dataset Pathname pass2.1
 Presentation Format _den_neu
 Dataset Creation Fri Aug 24 14:22:24 2018
 Charted by Depth in Feet scaled 1:240





Calibration Report								
Database File	2523ddn8.db							
Dataset Pathname	pass2.1							
Dataset Creation	Fri Aug 24 14:22:24 2018							
Dual Induction Calibration Report								
Serial-Model:			FW1410-55-Probe					
Surface Cal Performed:			Mon May 22 14:23:32 2017					
Downhole Cal Performed:			Thu Mar 12 09:29:20 2015					
After Survey Verification Performed:			Thu Mar 12 09:29:20 2015					
Surface Calibration								
		Readings		References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
Internal:	Zero	Cal		Zero	Cal		m	b

Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251
Downhole Calibration								
	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		
After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		
Compensated Neutron Calibration Report								
			Serial Number:	080621PMC				
			Tool Model:	NABORS				
PRE-SURVEY VERIFICATION								
Detector		Readings		Measured		Target		
Short Space		cps						
Long Space		cps		pu		pu		
POST-SURVEY VERIFICATION								
Detector		Readings		Measured		Target		
Short Space		cps						
Long Space		cps		pu		pu		
Gamma Ray Calibration Report								
Serial Number:			7					
Tool Model:			Probe1					
Performed:			Wed Jun 29 11:10:58 2016					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.4300		GAPI/cps			